

APR 29 2003
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PTO/SB/058 (04-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of

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Complete If Known

Application Number	10/043,629
Filing Date	January 10, 2002
First Named Inventor	Budach
Art Unit	2877
Examiner Name	to be assigned
Attorney Docket Number	021430-000210US

U.S. PATENT DOCUMENTS

Examiner Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Column, Lines, Where Relevant Passages or Relevant Figures Appear
PJK	AA US-4,810,658	03/07/1989	Shanks et al.	
PJK	AB US-4,826,367	05/09/1989	Sawyers et al.	
PJK	AC US-4,852,056	08/28/1990	Tieenthaler	
PJK	AD US-4,976,503	12/18/1990	Shanks et al.	
PJK	AE US-4,992,385	02/12/1991	Godfrey	
PJK	AF US-5,164,589	11/17/1992	Sjödin	
PJK	AG US-5,186,897	02/16/1993	Eason et al.	
PJK	AH US-5,192,502	03/09/1993	Altridge et al.	
PJK	AI US-5,242,826	08/07/1993	Bergström et al.	
PJK	AJ US-5,312,729	06/17/1994	Allan et al.	
PJK	AK US-5,374,563	12/20/1994	Meule	
PJK	AL US-5,415,842	05/16/1995	Maulé	
PJK	AM US-5,434,553	06/18/1995	Maulé	
PJK	AN US-5,436,181	06/25/1995	Bergström et al.	
PJK	AO US-5,468,620	11/21/1995	Molloy et al.	
PJK	AP US-5,478,756	12/26/1995	Gizoli et al.	
PJK	AQ US-5,480,887	01/02/1996	Hennig et al.	
PJK	AR US-5,491,556	02/13/1996	Stewart et al.	
PJK	AS US-5,492,840	02/20/1996	Malmqvist et al.	
PJK	AT US-5,532,170	07/02/1996	Buckie et al.	
PJK	AU US-5,554,541	09/10/1996	Malmqvist et al.	
PJK	AV US-5,631,734	05/20/1997	Stern et al.	
PJK	AW US-5,641,840	06/24/1997	Hanning	
PJK	AX US-5,663,790	09/02/1997	Eksström et al.	
PJK	AY US-5,716,854	02/10/1998	Lóráš et al.	
PJK	AZ US-5,770,462	06/23/1998	Molloy	
PJK	BA US-5,822,472	10/13/1998	Danielszik et al.	
PJK	BB US-5,830,768	11/03/1998	Altridge et al.	
PJK	BC US-5,874,219	02/23/1999	Rava et al.	
PJK	BD US-5,898,503	04/27/1999	Keller et al.	
PJK	BE US-5,912,456	09/15/1999	Melendez et al.	
PJK	BF US-5,946,083	08/31/1999	Melendez et al.	
PJK	BG US-5,955,729	09/21/1999	Nelson et al.	
PJK	BH US-5,959,292	09/25/1999	Duvnock et al.	

Examiner
Signature

PATRICK CONNOLY

Date
Considered

10/15/2005

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WC 9056859 v1

APR 29 2003

PTO/SB/088 (04-01)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cits No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
PJC	BI	US-5,965,456	10/12/1999	Malmqvist et al.	
PJC	BJ	US-5,972,812	10/26/1999	Malmqvist et al.	
PJC	BI	US-5,981,956	11/09/1999	Stern	
PJC	BL	US-6,078,705	06/20/2000	Neuschaefer et al.	
PJC	BM	US-6,093,538	07/26/2000	Drake et al.	
PJC	BN	US-6,111,248	08/29/2000	Maledez et al.	
PJC	BO	US-6,111,652	08/29/2000	Maledez et al.	
PJC	BP	US-6,127,183	10/03/2000	Ivarsson et al.	
PJC	BS	US-6,141,096	10/31/2000	Stern et al.	
PJC	BR	US-6,143,574	11/07/2000	Karlsson et al.	
PJC	BS	US-6,153,896	02/06/2001	Elkind et al.	
PJC	BT	US-6,191,847	02/20/2001	Maledez et al.	
PJC	BU	US-6,198,989	03/08/2001	Kraus et al.	
PJC	BV	US-6,200,814	03/13/2001	Malmqvist et al.	
PJC	BW	US-6,203,989	03/20/2001	Goldberg et al.	
PJC	BX	US-6,207,381	03/27/2001	Larsson et al.	
PJC	BY	US-6,207,960	03/27/2001	Stern	
PJC	BZ	US-6,211,954	04/03/2001	Danielzik et al.	
PJC	CA	US-6,226,625	05/01/2001	Pirung et al.	
PJC	CB	US-6,245,578	06/12/2001	Moloy	
PJC	CC	US-6,252,236	06/26/2001	Trulson et al.	
PJC	CD	US-6,289,144	09/11/2001	Neuschaefer et al.	
PJC	CE	US-6,289,288	09/11/2001	Andersson et al.	
PJC	CF	US-6,294,327	09/25/2001	Walton et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cits No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³	Number ⁴ Kind Code ² (if known)				

Examiner Signature	PATRICK CONNOLLY	Date Considered	10.15.2003
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FORM PTO-1449
(REV. 7-85)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



Sheet 1 of 1

ATTY. DOCKET NO.
4-31016B/N1/USN
APPLICATION NO.
10/043,629
APPLICANT
BUDACH ET AL.
FILING DATE
JANUARY 10, 2002

Group
2877

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
PJC	AA 6,218,194	4/14/01	Lyndin et al.			
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
PJC	AM WO 97/29362	8/14/97	PCT			<input type="checkbox"/> <input checked="" type="checkbox"/>
	AN					<input type="checkbox"/> <input type="checkbox"/>
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	AQ					<input type="checkbox"/> <input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

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10.15.2003

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INFORMATION DISCLOSURE CITATION

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Sheet 1 of 3

ATTY. DOCKET NO.
4-31016B/N1
APPLICATION NO.
Not Yet Assigned
APPLICANT
BUDACH ET AL.
FILING DATE
JANUARY 9, 2002

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Group

TC 2800 MAIL ROOM

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
PJL	AD 4,882,288	11/21/89	North et al.	436	526	
PJL	AE 4,931,384	6/5/90	Layton et al.	485	7	
PJL	AF 5,006,716	4/9/91	Hall	260	436	
PJL	AG 5,082,629	1/21/92	Burgess, Jr. et al.	422	82.11	
PJC	AA 5,208,111	5/4/93	Decher et al.	428	420	
PJL	AH 5,294,402	3/15/94	Schrepp et al.	422	57	
PJL	AI 5,455,178	10/3/95	Fattinger	436	164	
PJL	AB 5,712,705	1/27/98	Fattinger et al.	366	354	
PJC	AC 5,738,825	4/14/98	Helmut Rudigier et al.	422	82.11	
PJL	AJ 5,779,978	7/14/98	Hartmann et al.	422	82.06	
PJL	AK 5,846,843	12/8/98	Simon	436	527	
	AL					

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PJL	AM 0 178 083	4/16/86	Europe			<input type="checkbox"/> <input type="checkbox"/>
PJL	AN 2 227 089	7/18/90	United Kingdom			<input type="checkbox"/> <input type="checkbox"/>
PJL	AO 2 256 477	12/9/92	United Kingdom			<input type="checkbox"/> <input type="checkbox"/>
PJL	AP WO 90/03382	4/5/90	PCT			<input type="checkbox"/> <input type="checkbox"/>
PJL	AQ WO 91/16425	10/31/91	PCT(See Attached Abstract)			<input type="checkbox"/> <input type="checkbox"/>

PJL	AR	Adlard, et al., The American Physical Society, Physical Review Letters, Vol. 79, No. 9, "Localization of One-Photon States", pp. 1585-1587, (1997)
PJL	AS	Parrioux, et al., Pure Appl. Opt. 5, Printed in the UK, "Coupling gratings as waveguide functional elements", pp. 453-469 (1996)
PJL	AT	Rosenblatt, et al., IEEE Journal of Quantum Electronics, Vol. 33, No. 11, "Resonant Grating Waveguide Structures", November 1997

EXAMINER PATRICK CONNOLLY DATE CONSIDERED10.15.2003

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• FOR US PTO-1449
(REV. 7-85)

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PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 2 of 3



ATTY. DOCKET NO.
4-31016B/N1

APPLICATION NO.
Not Yet Assigned

APPLICANT
BUDACH ET AL.

FILING DATE
JANUARY 9, 2002

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APR -3 2002
Group

TC 2800 MAIL ROOM

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLAS S	TRANSLATION YES <input type="checkbox"/> NO <input type="checkbox"/>
PJL	AG	0 455 067 A2	11/6/91	Europe			<input type="checkbox"/> <input type="checkbox"/>
PJL	AA	WO 92/10092	6/25/92	PCT			<input type="checkbox"/> <input type="checkbox"/>
PJL	AB	WO 95/33197	12/7/95	PCT			<input type="checkbox"/> <input type="checkbox"/>
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PJL	AD	WO 96/26432	8/29/96	PCT			<input type="checkbox"/> <input type="checkbox"/>
PJL	AH	WO 96/35940	11/14/96	PCT			<input type="checkbox"/> <input type="checkbox"/>
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PJL	AI	WO 98/21571	5/22/98	PCT			<input type="checkbox"/> <input type="checkbox"/>
PJL	AF	WO 98/27430	6/25/98	PCT			<input type="checkbox"/> <input type="checkbox"/>
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PJL	AL	WO 00/75644 A1	12/21/00	PCT			<input type="checkbox"/> <input type="checkbox"/>
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10.15.2003

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INFORMATION DISCLOSURE CITATION

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Sheet 3 of 3

ATTY. DOCKET NO.
4-31016B/11
APPLICATION NO.
Not Yet Assigned
APPLICANT
UBUDACH ET AL.
FILING DATE
JANUARY 9, 2002



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APR -3 2002

TC 2800 MAIL ROOM

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AJL	AD	Dolder, et al., Derwent Abstracts, 1991-339813 [46], "Method for the Light-Induced Immobilization of Biomolecules on Chemically "Inert" Surfaces" (WO 91/16425 - 10/31/91)
MJL	AA	Sychugov, et al., Sensors and Actuators, B 38-39, "Waveguide coupling gratings for high-sensitivity biochemical sensors", pp. 360-364 (1997)
MJL	AB	Tyagi, et al., Nature Biotechnology, "Molecular Beacons: Probes that Fluoresce upon Hybridization", Vol. 14, pp. 303-308 (March 1996)
MJL	AC	Wang, et al., Applied Optics, Vol. 32, No. 14, "Theory and application of guided-mode resonance filters", (May 10, 1993)
MJL	AE	Kogelnik, H., "Theory of Optical Waveguides", ed. Tamit, T., Guided-Wave Optoelectronics, pp. 7-88, Springer-Verlag:New York, (1988)
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